

Freeform Search

Database: US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Term: L10 with 19 

Display: 10 Documents in Display Format: - Starting with Number 1

Generate: Hit List Hit Count Side by Side Image

Search History

DATE: Thursday, March 18, 2004 [Printable Copy](#) [Create Case](#)

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ			
<u>L11</u>	L10 with 19	19	<u>L11</u>
<u>L10</u>	plasmid or double stranded or duplex	145798	<u>L10</u>
<u>L9</u>	L8 with 17	128	<u>L9</u>
<u>L8</u>	camptothecin or \$camptothecin	3026	<u>L8</u>
<u>L7</u>	L6 with 13	134	<u>L7</u>
<u>L6</u>	l5 with 14	86034	<u>L6</u>
<u>L5</u>	dna or polynucleotide or oligo or oligonucleotide or nucleic	252367	<u>L5</u>
<u>L4</u>	plasmid or double stranded or ds	5845819	<u>L4</u>
<u>L3</u>	Camptothecin or CPT	6055	<u>L3</u>
<u>L2</u>	5583034	32	<u>L2</u>
<u>L1</u>	5583064	19	<u>L1</u>

END OF SEARCH HISTORY

[First Hit](#) [Fwd Refs](#) [Generate Collection](#) [Print](#)

L11: Entry 15 of 19

File: USPT

Sep 28, 1999

DOCUMENT-IDENTIFIER: US 5958947 A

TITLE: DNA-affinic hypoxia selective cytotoxins

Detailed Description Text (134):

In particular, a Topo I drug screening kit (TopoGEN, Inc., Columbus, Ohio) was used to assay the topoisomerase I THNLA-1 interaction. The tests were performed in a 20 .mu.l (final volume) solution containing: water, assay buffer (10 mM Tris.HCl pH 7.5, 1 mM EDTA, 100 mM NaCl), 0.75 .mu.g of supercoiled plasmid DNA, 6 units of calf thymus Topo I (in 50 mM Tris.HCl, pH 7.55, 0.7 M (molar) NaCl, 0.5 mM EDTA, 0.5 mM dithiothreitol, 10% glycerol) and various concentrations of THNLA-1 or 100 .mu.M camptothecin for comparison. Camptothecin is a Topoisomerase I poison used as an anticancer drug. Camptothecin stabilizes the Topo I-DNA cleavable complex, and therefore prevents the resealing of DNA by Topo-I.